

L5 ANSWER 279 OF 962 CA COPYRIGHT 2004 ACS on STN  
 AN 135:48470 CA  
 ED Entered STN: 12 Jul 2001  
 TI Glycol-based antifreeze composition  
 IN Bojan, Elena; Bojan, Ruxandra; Andrasiu, Doina; Stepan, Adrian Emil  
 PA S.C. Desan Prodserv Cominpex Srl, Bucuresti, Rom.  
 SO Rom., 7 pp.  
 CODEN: RUXXA3

DT Patent

LA Romanian

IC ICM C10M105-14

ICS C09K005-00

CC 51-11 (Fossil Fuels, Derivatives, and Related Products)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	RO 115535	B3	20000330	RO 1999-85	19990125
PRAI	RO 1999-85		19990125		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
RO 115535	ICM	C10M105-14
	ICS	C09K005-00

AB The antifreeze contains glycol (e.g., ethylene glycol, propylene glycol, diethylene glycol, polyethylene glycol) 75-93, water 3-20, an alkali metal hydroxide (e.g., NaOH, KOH) .ltoreq.3, **triethanolamine** 3, benzoic acid 4, citric acid 0.4, salicylic acid 0.4, 85% H3PO4 1, 2-ethylhexanoic acid 3, borax 1, NaNO3 2, dicyclohexylamine nitrite 0.4, tert-butylhydroxytoluene 0.15, a heterocyclic N compd. (e.g., benzotriazole, tolyltriazole, mercaptobenzothiazole) 0.1-0.3, a dye 0.01-0.02, ricinoleic acid diethanolamide 0.05-2, and an antifoaming agent .ltoreq.0.01%. The antifreeze prevents corrosion of automobile engines and is stable during service.

ST antifreeze compn

IT Antifreeze